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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul Rudolf

Confirmation Number: 8904

Serial No.: 10/648,855

Art Unit: 2129

Filed: August 26, 2003

Examiner: Hirl, Joseph P.

For: ASSOCIATIVE MEMORY DEVICE  
AND METHOD BASED ON WAVE  
PROPAGATION

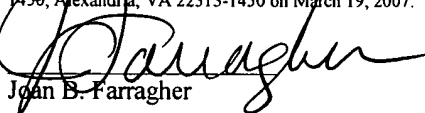
Docket No.: 128988.00002

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop: AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
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Joan B. Farragher

In accordance with the requirements of 37 C.F.R. §§ 1.97 and 1.98, attached please find a Form PTO/SB/08A listing information for consideration by the Office in connection with its examination of the above-captioned patent application. A copy of the PCT International Preliminary Examination Report is enclosed. Copies of the references cited in the Report are not enclosed, as they have previously been made of record in this application.

Applicant submits that no representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of these materials in any way reflects their relative pertinence. The listing on the attached Form PTO/SB/08A is not intended to constitute an admission of any kind. Specifically this presentation is not an admission that any of the items listed are properly citable against the above-identified application as prior art.

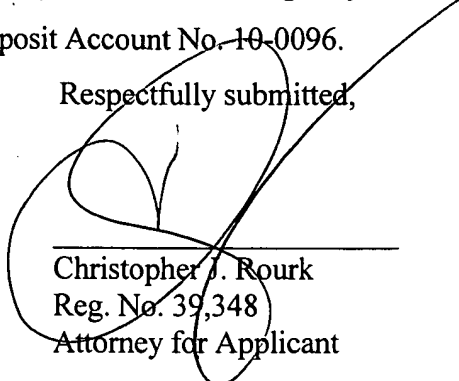
Applicant respectfully submits that his invention is patentable over the enclosed documents listed on Form PTO/SB/08A.

Applicant certifies that the references contained in the Information Disclosure Statement filed herewith were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement (i.e., mailed February 28, 2007).

No fee is believed to be due with the filing of this Information Disclosure Statement. However, the Commissioner of Patent and Trademarks is hereby authorized to charge any deficiency or to credit any fee overpayment relating to this matter to Deposit Account No. 10-0096.

Respectfully submitted,

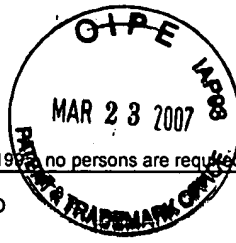
Date: March 19, 2007



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| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |                 |   | <b>Complete If Known</b> |              |
| Application Number   |   | 10/648,855      |   |                          |              |
| Filing Date  |   | August 26, 2003 |   |                          |              |
| First Named Inventor   |   | Paul Rudolf     |   |                          |              |
| Group Art Unit   |   | 2129            |   |                          |              |
| Examiner Name  |   | Joseph P. Hirl  |   |                          |              |
| Sheet  | 1 | of              | 1 | Attorney Docket No.      | 128988.00002 |

**U.S. PATENT DOCUMENTS**

| Exam. Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee of Applicant of Cited Doc. | Date of Pub. Of Cited Doc. (mm-dd-yyyy) | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------|-----------------------|----------------------|-----------------------------------|---|---|---|
|                 |                       | Number               | Kind Code <sup>2</sup> (if known) |   |   |   |
|                 | AA                    | 2002/078431          |                                   | Reps  | 06/20/2002                              |   |
|                 | AB                    | 6,278,798            |                                   | Rao   | 08/21/2001                              |   |
|                 | AC                    | 6,012,640            |                                   | Liu   | 01/11/2000                              |   |
|                 | AD                    | 5,819,007            |                                   | Elghazzawi                                  | 10/06/1998                              |   |
|                 | AE                    |                      |                                   |   |   |   |
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|                 | AG                    |                      |                                   |   |   |   |
|                 | AH                    |                      |                                   |   |   |   |
|                 | AI                    |                      |                                   |   |   |   |
|                 | AJ                    |                      |                                   |   |   |   |
|                 | AK                    |                      |                                   |   |   |   |
|                 | AL                    |                      |                                   |   |   |   |

**FOREIGN PATENT DOCUMENTS**

| Exam. Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                   | Name of Patentee of Applicant of Cited Doc. | Date of Pub. of Cited Doc. (mm-dd-yyyy) | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|-----------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|---|---|----------------|
|                 |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>2</sup> (if known) |   |   |   |                |
|                 | BA                    |                         |                     |                                   |   |   |   |                |
|                 | BB                    |                         |                     |                                   |   |   |   |                |

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

| Exam. Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | 2 |
|-----------------|-----------------------|---|---|
|                 | CA                    | PCT International Preliminary Examination Report for Corresponding PCT Application (PCT/US03/26536), mailed February 28, 2007, 4 pgs.   |   |
|                 | CB                    | Rudolf et al., "Computer Modeling Wave Propagation With a Variation of the Helmholtz-Kirchhoff Relation," <i>APPLIED OPTICS</i> , Vol. 29, No. 7, March 1990 (Pgs. 998-1003).   |   |
|                 | CC                    | Yuasa et al., "An Autonomous Decentralized Recognition System Having a Dispersive Wave Property," <i>IEEE</i> , 1997, 0-8186-7783-X/97 (Pgs. 75-82).  |   |
|                 | CD                    | Grebenkin et al., "A Model of Wave Associative Processing," <i>IEEE</i> , 10.1109/RNNNS/19922268630, October 1992 (Pgs. 870-880).   |   |
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|                 | CJ                    |   |   |
|                 | CK                    |   |   |
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**US and Foreign Patent Documents:** <sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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